

# Akin Akisanya

akinakisanya.com | akinakisanya@gmail.com | github.com/sanya-17 | linkedin.com/in/akisanya

---

## EDUCATION

**University of Pittsburgh**, B.S. Computer Engineering  
Full Tuition Scholar, Dean's List, Honors College

**Apr. 2022**  
**GPA:** 3.74/4.00

---

## SKILLS

- **Languages:** C++, Python, C, JavaScript, HTML / CSS, Assembly (ARM), VHDL, MATLAB
  - **Technologies:** Git, Flask, NodeJS, Logisim
- 

## EXPERIENCE

- Software Engineer Intern** | Facebook, Menlo Park, Ca **Jan. 2021 - Apr. 2021**
- Built and integrated a fully transparent library for encrypting sensitive user data in storage for an in-development on-premise version of WhatsApp Business API using modern C++ techniques
  - Worked cross-functionally with security experts to improve the original design of the encryption library and ensure that it met Facebook's security standards
  - Built a prototype for a command-line interface that decrypts ciphertext for a given business account in the test tier to assist developer debugging
- Software and Controls Intern** | Eaton, South Milwaukee, WI **June 2020 - Aug. 2020**
- Increased the robustness of a SharePoint (SP) data table by using JavaScript (jQuery) and built-in SP capabilities to implement data field validation and parent-child relationships between columns
  - Improved the usability of the table by adding over 20 columns for data that was previously stored in a legacy MS Access database, allowing users to filter on those columns using native SP functionality
- Technical Consultant** | University of Pittsburgh I.T., Pittsburgh, PA **Aug. 2019 - Apr. 2020**
- Communicated effectively with students, faculty, and staff to provide in-person technical assistance
  - Resolved over 190 cases involving O.S. repair, data recovery, virus removal, application installation, networking, and other areas
- Software Development Intern** | Hibernsense, Pittsburgh, PA **May 2019 - Aug. 2019**
- Enhanced the JavaScript API used for communicating with smart thermostats, vents, and sensors by enabling functionality that was specified in the API documentation but not yet realized
  - Ensured compliance with industry standards by implementing correct HTTP response status codes and pushed changes to the codebase using Git/Bitbucket
  - Assembled over 500 system hardware components and ran Python scripts on a Raspberry Pi to test component functionality
- 

## PROJECTS

**Personal Website:** [www.akinakisanya.com](http://www.akinakisanya.com) (for additional information)

**Music Mixr** | NodeJS, HTML / CSS, Spotify Web API 

- Built and deployed a web app that performs set operations like intersection, union, difference, and nand on two Spotify playlists and creates a new resultant playlist

**Pipelined Processor** | Logisim

- Built a five-stage pipelined processor in Logisim for an ISA that resembles RISC-V and supports arithmetic operations, register operations, data hazards, and control hazards

**CPU** | VHDL, FPGA

- Implemented a CPU that supports move, move immediate, add, and subtract instructions in VHDL on an FPGA
- 

## ACTIVITIES & AWARDS

**Teaching Assistant** | ECE 0301: Problem Solving with C++

**Aug. 2020 - Dec. 2020**

**Fundraising Committee Member** | National Society of Black Engineers

**Aug. 2019 - Present**

**JPMorgan Chase & Co Sophomore Edge Fellow** | Software Engineering Track

**Feb. 2020**